

PATENT ABSTRACTS OF JAPAN

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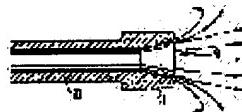
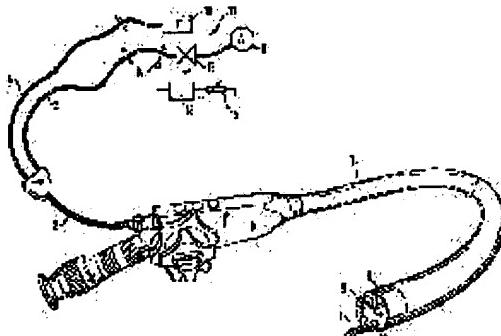
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(54) APPARATUS FOR COAGULATION OF BIOTEXTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To decrease risk given to a patient and to facilitate handling during coagulation by providing an electrode element for guiding a coagulation electric current into a gas from an HF source and a flow adjusting means to an ionizable gas filling almost completely a space between the electrode element and a biotexture.

SOLUTION: In an endoscope 1, the base end part of a tube 2 inserted into a work channel is connected with an argon source (a compressed gas bottle) 11 by means of a gas feeding pipe 3 and a valve 12. A set mechanism controlled by means of a controller 13 is provided on the valve opening of a valve 12 and the controller 13 controls the set mechanism by the deviation between an output signal of a measuring tool 14 and the value of a set point from a set point controller 15. In addition, an HF source 16 is provided so as to feed an electric energy to a gas flowing in the tube through a connection wire 4. Furthermore, a conical hole 21 is provided on a gas outlet 9 region of a nozzle 20 fixed on the terminal of the tube 2 and it is possible thereby to eject a gas flow in a scattering-like and a little turbulent flow-like condition.



LEGAL STATUS

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